



## MARKED-UP VERSION OF SPECIFICATION AND CLAIM AMENDMENTS

### IN THE SPECIFICATION:

This application is a continuation of patent application serial number 09/402,032, filed on September 24, 1999.

### IN THE CLAIMS:

1. (Amended) [Molded] A molded body from a lightweight substance formed from a lightweight aggregate and a sintering auxiliary, [characterized by the fact that the lightweight substance is] comprising:

a sintered product obtained by mixing a lightweight substance of [60 to 95] 80 to 93 wt% of a lightweight aggregate[, chosen from] selected from the group consisting of perlites, expanded clay, expanded glass, vermiculites, [cenospheres] and kieselguhr [and/or] and their mixtures with [40 to 5] 20 to 7 wt% of an aqueous alkali silicate solution[, in which] where the lightweight aggregate is bonded in a network [fashion] structure exclusively at the contact sites to obtain its essential properties[.] , wherein the molded body has a dry bulk density and that the dry bulk density lies in the range from 150 to 750 kg/m<sup>3</sup>.

3. (Amended) Molded body according to Claim 1 [or 2, characterized by the fact] further comprising that the molded body has a compressive strength and that the compressive strength lies in the range from 0.1 to 15 N/mm<sup>2</sup>.

5. (Amended) Molded body according to [at least one of the Claims 1 to 4, characterized by the fact that] claim 1 wherein the [water-soluble] aqueous alkali silicate solution is [chosen from] alkali silicates[, especially water glass, especially sodium water glass and potassium water glass].

6. (Amended) Process for the production of a molded body according to claim 22 [at least one of the Claims 1 to 5, characterized by the fact that] further comprising the steps of:

subjecting the lightweight aggregate and the [binder] aqueous alkali silicate solution [are subjecting] to a shaping process after mixing and sintering at 400°C to 1000°C over a period from 0.1 h to 5 h.

7. (Amended) Process according to Claim 6, [characterized by the fact that] wherein the molded body has a compressive strength in the range from 0.1 to 15 N/mm<sup>3</sup> and at least one of the dry bulk density [and/or] and the compressive strength is adjusted as a function of the lightweight aggregate and the process parameters during sintering.

8. (Amended) Process according to Claim 6 [or 7 characterized by the fact that] further comprising the step of drying at 50°C to 95°C [is carried out] after shaping and before sintering.

9. (Amended) Process according to [at least one of the Claims 6 to 8, characterized by the fact that] claim 6 wherein the sintering process is conducted at 550 to 850 °C.

10. (Amended) Process according to [at least one of the Claims 6 to 9, characterized by the fact that] claim 6 wherein sintering occurs during a period from 0.1 h to 0.5 h.

11. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used as insulation [molded bodies].

12. (Amended) [Use of the] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used as construction material[, especially as bricks].

13. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used as furnace lining.

14. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used as [bricks] a brick for formation of exhaust installation.

15. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used for technical sound protection in interior rooms.

16. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used for a sound-absorbing [segments] segment for fixed passageways of rail vehicles.

17. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used as a fireproofing [elements] element.

18. (Amended) [Use of a] The molded [bodies] body according to [at least one of the Claims 1 to 5] claim 1, wherein the molded body is used as a sound [absorbers] absorber in exhaust lines.

21. (New) Molded body according to claim 1, wherein the lightweight aggregate is cenospheres.

22. (New) A process for the production of a molded body from a lightweight substance formed from a lightweight aggregate and a sintering auxiliary, the process comprising the steps of:

obtaining a sintered product by mixing a lightweight substance of 80 to 93 wt% of a lightweight aggregate selected from the group consisting of perlites, expanded clay, expanded glass, vermiculites, and kieselguhr and their mixtures with 20

